

Program Registration & Fees:

The operator training program uses an electronic registration process that facilitates online registration and payment options, including credit cards. This format also allows participants to create and manage their own student records to track class participation and print completion certificates.

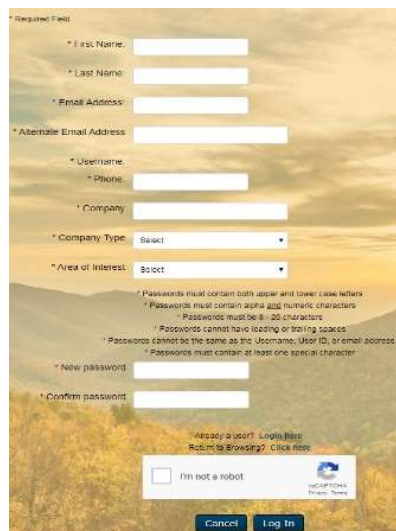
The online method must be used to register for all wastewater operator training workshops. No paper registration forms will be accepted; payment by credit card is the only accepted payment option.

Environmental Learning Management System (ELMS) Registration:

DEQ's Environmental Learning Management System (ELMS) is an online Learning Management System that can be used to enroll in DEQ classroom courses. If you already have a profile in the Virginia Learning Center (VLC) database, you will need to create a new username and password to register with the ELMS.

In order to create your profile in the ELMS, kindly follow the link below:

<https://vadeq.csod.com/client/vadeq/default.aspx>

A screenshot of the ELMS registration form. It includes fields for First Name, Last Name, Email Address, Alternate Email Address, Username, Phone, Company, Company Type (dropdown), and Area of Interest (dropdown). Below these are password fields with instructions: "Passwords must contain both upper and lower case letters", "Passwords must contain alpha and numeric characters", "Passwords must be 8 - 20 characters", "Passwords cannot have leading or trailing spaces", "Passwords cannot be the same as the Username, User ID, or email address", and "Passwords must contain at least one special character". There are fields for "New password" and "Confirm password". At the bottom, there is a "Log In" button, a "Forgot your password?" link, a "Return to Browser?" link, and a CAPTCHA checkbox labeled "I'm not a robot".

*Once registered in ELMS, a separate link will be sent to register for webinars, and another will be sent for you to order the program manual, if needed.

Program Content:

Current programs have been selected based on identified needs and availability. These programs and others are offered periodically, at different locations, throughout the year. If you would like to receive notification, by email, sign up here:

<https://www.deq.virginia.gov/water/wastewater/operator-training>

Complete descriptions of the training programs are available upon request.

Program Approval:

Unless otherwise noted, these courses have been approved by the Virginia Board for Waterworks and Wastewater Works Operators and Onsite Sewage System Professionals for training credits. Approved programs can, when applicable, be used as substitution for required operational experience.

Continuing Professional Education (CPE):

Where appropriate, these workshops can be used for continuing professional education (CPE) requirements as defined by the Board. Registrants will typically receive up to 7 contact hours for each full day of completed training and 3.5 contact hours for each ½ day of completed training.

A full day is defined as 8:30 am – 4:30 pm minus 1 hour for lunch. A ½ day is defined as 8:30am – 12 noon (or 1:00pm – 4:30pm).

Additional Information:

For additional program and registration information contact DEQ program staff:

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Wastewater Operator Training Programs



January - June 2022

Operator Training and Assistance Program
Water Permitting Division
Department of Environmental Quality
P.O. Box 1105
Richmond, Virginia 23218

DEQ, Wastewater Operator Training Program List

January – June 2022

Course #	Course Name	Dates	Location	Price
DEQ 25	Introduction to Wastewater Treatment	January 25, 2022 8:30 AM – 4:30 PM	Go to Webinar Format	\$75.00
DEQ 16	VPDES Permit Reporting	February 22, 2022 8:30 PM- 12:30 PM	Go to Webinar Format	\$37.50
DEQ 17	Nutrient General Permit Reporting	February 22, 2022 1:30 PM- 4:30 PM	Go to Webinar Format	\$37.50
DEQ 24	Wastewater Utility Management	February 23, 2022 8:30 AM – 4:30 PM	Go to Webinar Format	\$75.00
DEQ 18	Introduction to Biological Nutrient Removal	March 7, 2022 8:30 AM – 4:30 PM	Go to Webinar Format	\$75.00
DEQ 22	Activated Sludge Process Control Part 4 BNR	March 29 - 30, 2022 8:30 AM – 4:30 PM	DEQ Piedmont Regional Office, Glenn Allen, Virginia	\$150.00
DEQ 100	Wastewater Works Operators Licensure Review	April 4 - 7, 2022 M- W 8:30 AM – 4:30 PM TH. 8:30 AM – 12:30 PM	Opequon Water Reclamation Facility, Winchester, Virginia	\$262.50
DEQ 16	VPDES Permit Reporting	April 19, 2022 8:30 PM- 12:30 PM	Go to Webinar Format	\$37.50
DEQ 17	Nutrient General Permit Reporting	April 19, 2022 1:30 PM- 4:30 PM	Go to Webinar Format	\$37.50
DEQ 23	Energy Optimization & Nutrient Removal	April 20, 2022 8:30 PM- 4:30 PM	Go to Webinar Format	\$75.00
DEQ 100	Wastewater Works Operators Licensure Review	May 23 – 26, 2022 M- W 8:30 AM – 4:30 PM TH. 8:30 AM – 12:30 PM	DEQ Tidewater Regional Office, VA Beach, Virginia	\$262.50
DEQ 100	Wastewater Works Operators Licensure Review	June 6 - 9, 2022 M- W 8:30 AM – 4:30 PM TH. 8:30 AM – 12:30 PM	Western Virginia Water Authority, Roanoke, Virginia	\$262.50
DEQ 24	Wastewater Utility Management	June 22, 2022 8:30 AM – 4:30 PM	Go to Webinar Format	\$75.00

Please note that all virtual classes will use “GO TO Webinar” to deliver the training. To participate in the training, a computer, phone, and/or tablet, with an internet connection, will be required.

Register for the classes here:

<https://vadeq.csod.com/client/vadeq/default.aspx>

Read our Covid safety policy for face-to-face classes here:

<https://www.deq.virginia.gov/water/wastewater/operator-training>

January – June 2022 Course Descriptions:

DEQ 16: VPDES Permit

This program is designed to review recordkeeping and reporting requirements associated with the Virginia Pollutant Discharge Elimination System (VPDES) permit. The program will include discussions of recordkeeping requirements and the various reporting requirements established in VPDES permits. ***This class qualifies for Utility Management CPE contact hours.**

DEQ 17: Nutrient General Permit

This program is designed to identify reporting requirements associated with the General Permit for Total Nitrogen and Total Phosphorus Discharges in the Chesapeake Bay Watershed. The program will focus on the methods and procedures required for completion of the Nutrient General Permit monthly discharge monitoring report (DMR). ***This class qualifies for Utility Management CPE contact hours.**

DEQ 18: Introduction to Biological Nutrient Removal (BNR)

This one (1) day workshop provides an introduction to the principles involved in biological nutrient removal. The focus of the program will be the suspended growth (activated sludge) BNR processes. The program will discuss the basic concepts associated with biological nutrient removal (nitrification, denitrification and biological phosphorus removal). It will identify performance factors, provide typical operating ranges for many of these factors and review various design and operational configurations currently being used for BNR. Managers, operators and operator trainees of BNR activated sludge treatment systems will find this program very helpful.

DEQ 23: Energy Optimization and Nutrient Removal

This workshop provides wastewater treatment plant operators and managers the tools necessary to conduct an energy audit of their facilities. The program will discuss energy saving measures that may be implemented to save energy and money and may also improve the removal of nitrogen and phosphorus. ***This class qualifies for Utility Management CPE contact hours.**

DEQ 24: Wastewater Utility Management

This workshop provides an opportunity for the participant to obtain a broad spectrum of knowledge and skills necessary to manage more effectively his or her treatment system. Basic management characteristics and core functions, people and public management techniques, financial and legal concepts, safety and security concerns and day to day managing of operations, maintenance and lab functions will be discussed. ***This class qualifies for Utility Management CPE contact hours.**

DEQ 25: Introduction to Wastewater Treatment

This workshop provides an opportunity for the participant to obtain general knowledge of wastewater sources, characteristics, collection methods, treatment concepts, operation, maintenance and monitoring methods, and basic physical, biological, and chemical principles of wastewater treatment.

DEQ 100: Wastewater Works Operators Licensure Review

This three and one-half day workshop provides a comprehensive overview of the subject matter covered in all classes (Class 4 – 1) of the Associations of Board of Certifications (ABC) Virginia wastewater licensing examinations. The program will focus on the information outlined in the Candidate Information Bulletin (CIB) provided by the exam vendor. Operators and operator trainees of wastewater treatment plants who are planning to take the ABC wastewater works licensing exams will find this program very helpful. ***This class qualifies for Utility Management CPE contact hours.**